Project Name: Coppei Creek Project Area 07

Construction Cost Estimate

Preliminary 30% Design

Class 3 Estimate (-20% to +30%)

Item Description	Quantity	Unit	Unit Cost	Cost	Extended Cost	Assumptions
General					**$ 108,483**	
Mobilization and Demobilization	1	LS	$ 41,008	$ 41,008		8% of total (excluding tax and contingency)
SPCC Plan Development and Implementation	1	LS	$ 5,000	$ 5,000		
ESC Plan Development and Implementation	1	LS				
Construction and Driveway Entrance	5	EA	$ 3,000	$ 15,000		
Straw Wattles	600	LF	$ 4.50	$ 2,700		
Clearing	0.5	AC	$ 10,000	$ 4,562		
Cofferdams, Pumping, and Dewatering	1	LS	$ 10,000	$ 10,000		
Surveying	1	LS	$ 5,000	$ 5,000		
Temporary Stabilized Access Route	2,027	SY	$ 8	$ 16,213		Wood chips or gravel; 20% of 7,600 LF
Temporary Log Stream Crossing	3	EA	$ 3,000	$ 9,000		
Site Work					**$ 404,192**	
Excavation	1,850	CY				
Channel Excavation	885	CY	$ 6	$ 5,310		
Levee Excavation	965	CY	$ 6	$ 5,790		
Off-Site Haul	1,850	CY	$ 16	$ 29,600		
Constructed Riffle Material	50	CY	$ 75	$ 3,750		Includes install
LWD Acquisition and Delivery	1	LS	$ 269,542	$ 269,542		
HS-1 - Three Log Structure	14	EA	$ 550	$ 7,700		Structure install
HS-2 - Single Log Structure	200	EA	$ 200	$ 40,000		Structure install
HS-3 - Whole Tree Structure	53	EA	$ 300	$ 15,900		Structure install
HS-4 - Bleeder Jam Structure	11	EA	$ 800	$ 8,800		Structure install
HS-5 - Small Apex Jam Structure	4	EA	$ 700	$ 2,800		Structure install
Willow Baffle	600	LF	$ 25	$ 15,000		Structure install
Soil Decompaction, Planting, and Seeding					**$ 40,927**	
Riparian Seeding and Planting	4.55	AC	$ 9,000	$ 40,927		
Subtotal					**$ 553,602**	
Markups						
Estimating Contingency	**10.0%**		$ 55,360			
Total					$ 608,962	
Estimated Construction Cost (Base)					**$ 609,000**	
Low Side (-20%)					$ 488,000	
High Side (+30%)					$ 792,000	

Notes

1. All estimated item costs include full compensation for all materials, labor, equipment, and all appurtenances unless noted or itemized separately.
2. Class 3 estimates are generally prepared to form the basis for budget authorization, appropriation, and/or funding. As such, they typically form the initial control estimate against which all actual costs and resources will be monitored. Typically, engineering is from 10 to 40 percent complete. Class 3 estimates usually involve more deterministic estimating methods and usually involve high degree of unit cost line items, although these may be at an assembly level of detail rather than individual components.